



CROSS CUTTING ISSUES TECHNICAL WORK GROUP CALL #3

MARCH 10, 2006



TODAY'S AGENDA

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PART 1 - REVIEW OF GOALS ISSUES**
- 4. PART 2 - REVIEW OF REPORTING, REGISTRIES AND EDUCATION ISSUES**
- 5. CALL TO THE PUBLIC AND ANNOUNCEMENTS**
- 6. AGENDA ITEMS FOR NEXT CC TWG CALL, CCAG MEETING**

PART 1: GOAL SCENARIOS

- SCENARIO 1: AZ GOAL = **NORTHEAST/WEST COAST (NE/WC) STATES LEVEL OF EFFORT (LOE)** COMPARED TO 1990 LEVEL
 - 22% **BELOW** REFERENCE CASE IN 2010; 43% **BELOW** REFERENCE CASE IN 2020
- SCENARIO 2: AZ GOAL = **NEW ENGLAND GOVERNOR'S (NEG) GOALS** (1990 LEVEL BY 2010; 10% **BELOW** BY 2020)
 - (1) **1990** BASE YEAR
 - (2) **2000** BASE YEAR

PART 1: GOAL SCENARIOS...

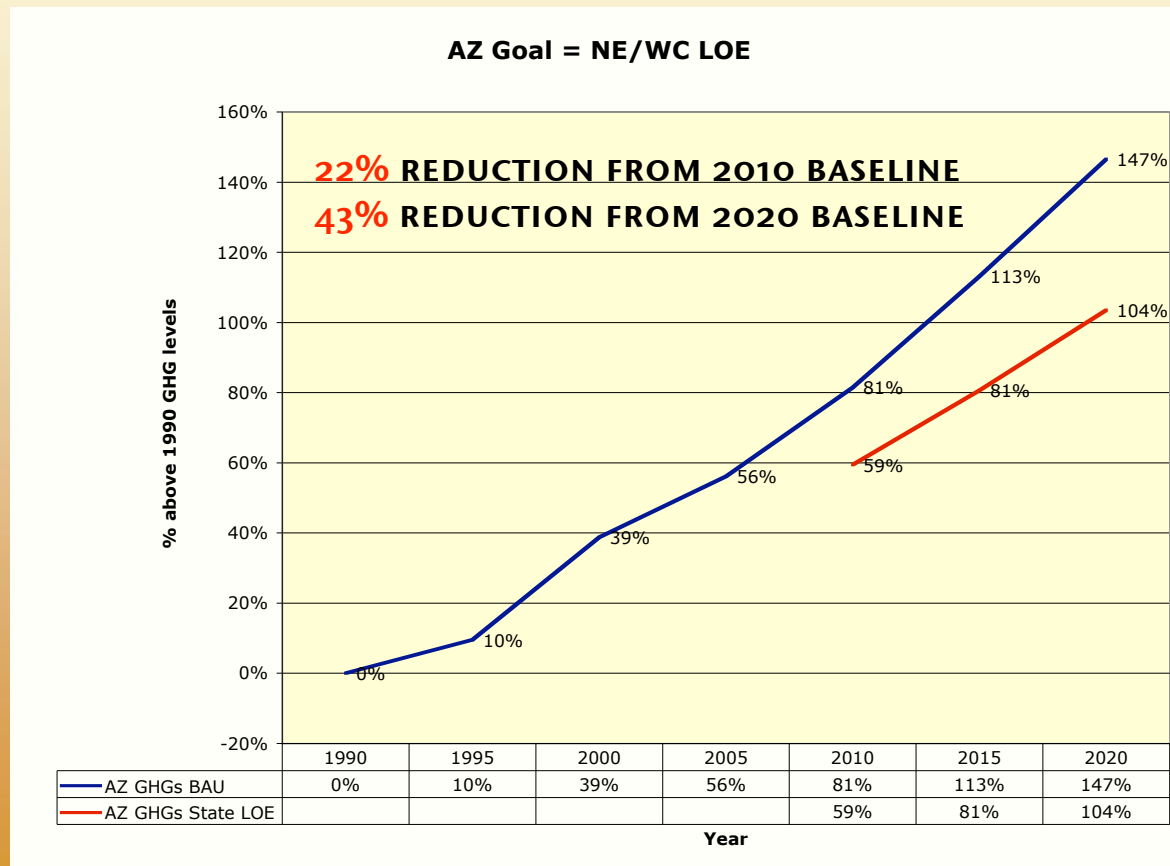
- SCENARIO 3: AZ GOAL = 50% CUT IN TOTAL EXPECTED GHG GROWTH LEVELS BY 2010, 2020
 - (1) 1990-2020 BAU
 - (2) 2000-2020 BAU
- SCENARIO 4: COMBINATION OF SCENARIOS 1 AND 3.2 SHOWING CLUSTERING

PART 1: GOAL SCENARIOS...

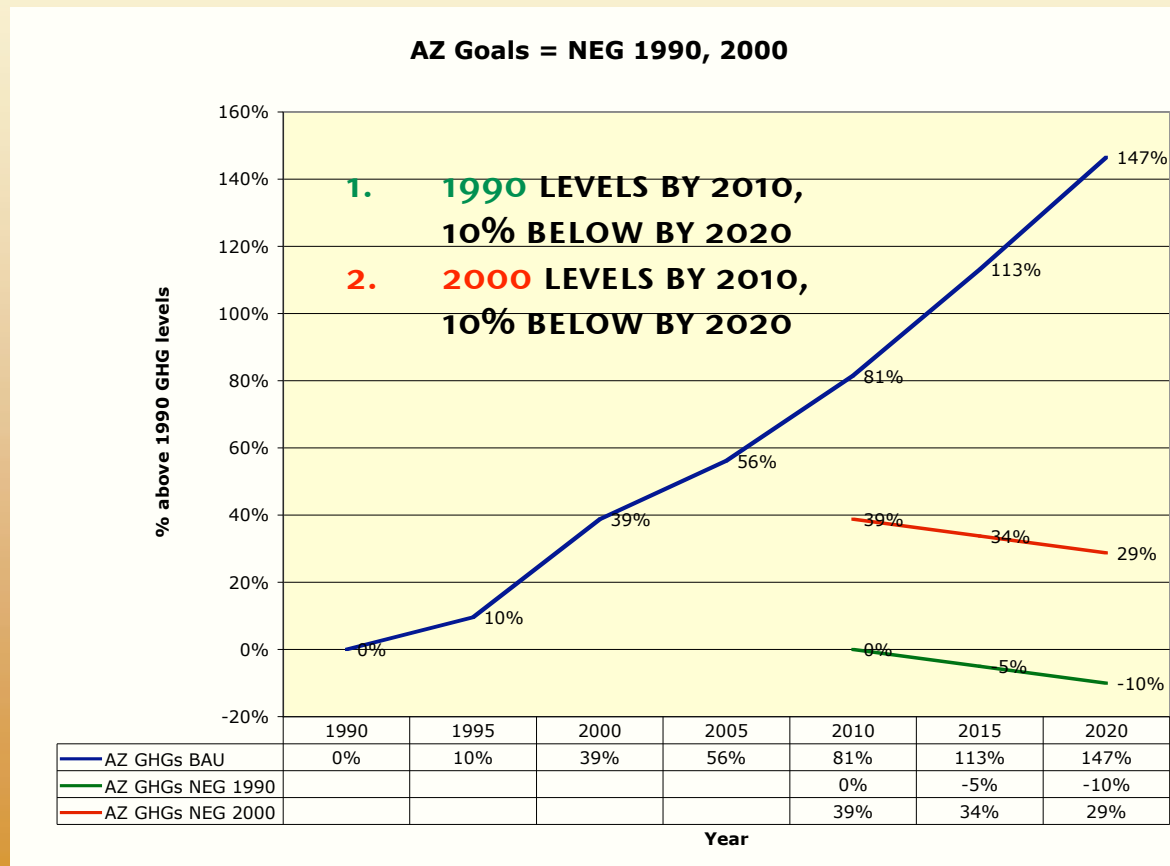
- SCENARIO 5: AZ GOAL = “25/50” APPROACH
(GRADUATED SCHEDULE OF GHG CUTS)
 - (1) 25% CUT IN 2000-2020 GHG GROWTH LEVELS BY 2010; 50% CUT IN 2020-2020 GHG GROWTH LEVELS BY 2020
 - (2) SAME AS ABOVE, SHOWN IN ACTUAL TONS (MMTCO₂E)
 - (3) COMPARISON OF 25/50% AND 50% GOALS, SHOWN IN ACTUAL TONS

#1: NE/WC STATES LOE

(COMPARED TO 1990 BASE YEAR LEVELS)

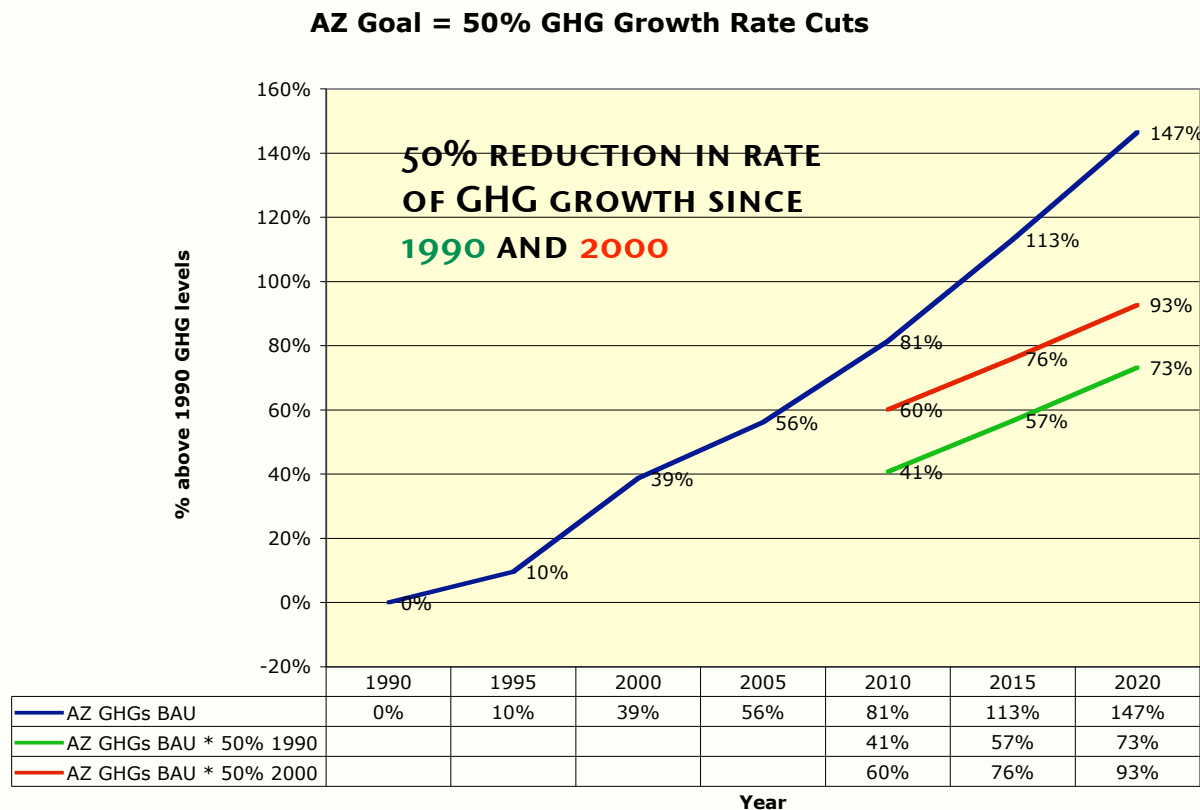


#2: NEW ENGLAND GOVERNOR'S (APPLIED TO 1990, 2000 LEVELS)



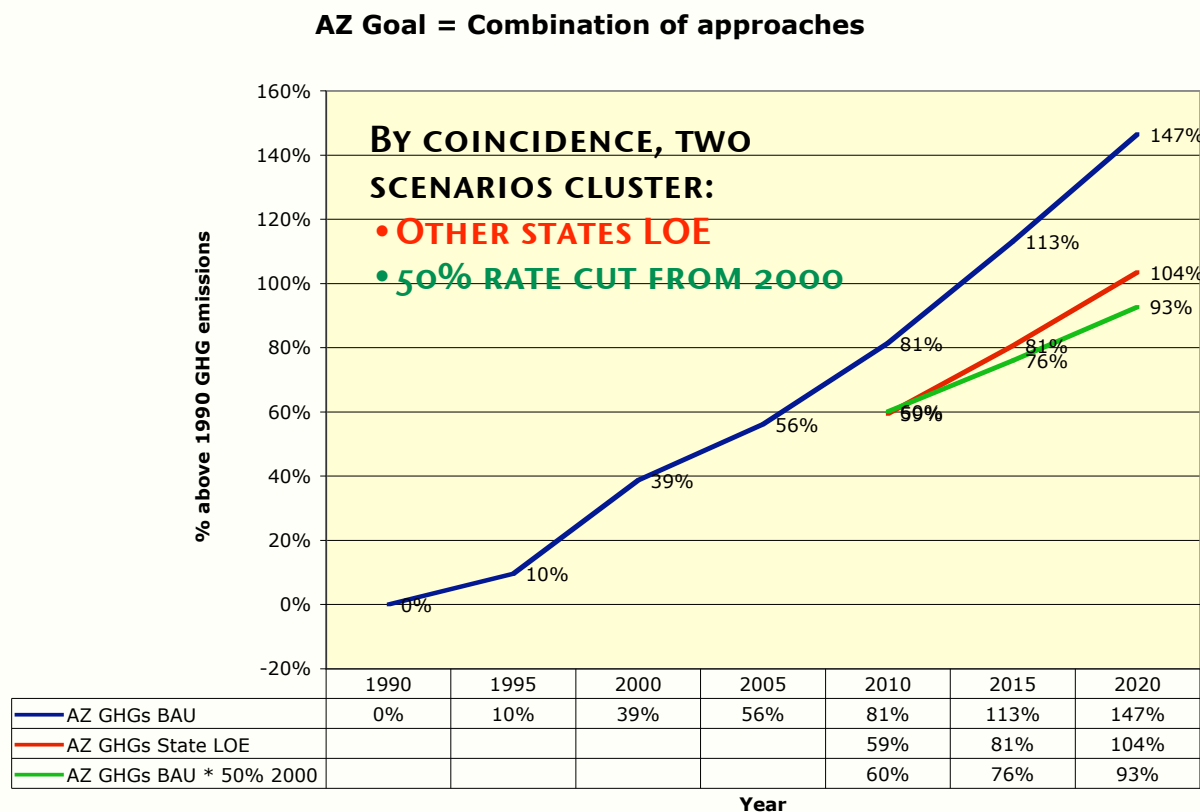
#3: 50% LESS GHG GROWTH

1990, 2000 BASELINE STARTS

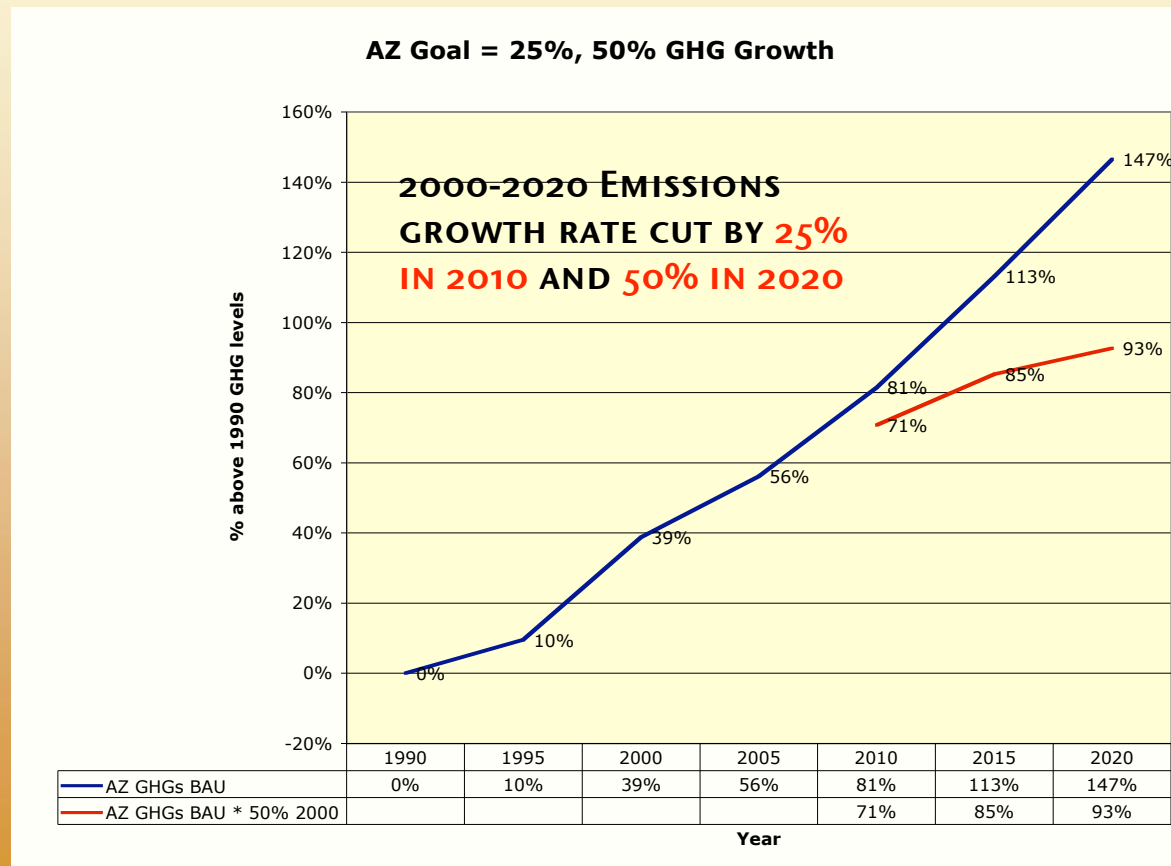


#4: COMBO

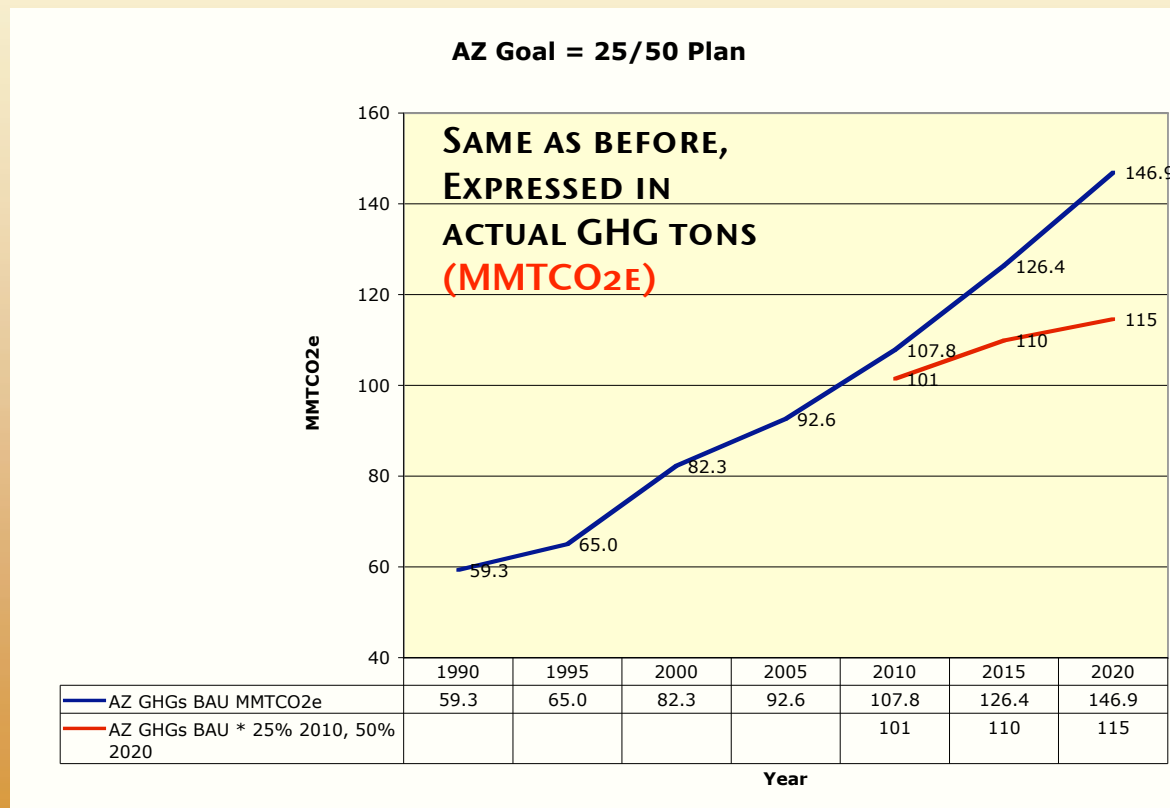
(SHOWING CLUSTERING OF 1 AND 3.2)



#5: 25%-50% LESS GHG GROWTH (COMPARED TO 2000 LEVELS; SHOWN IN %)

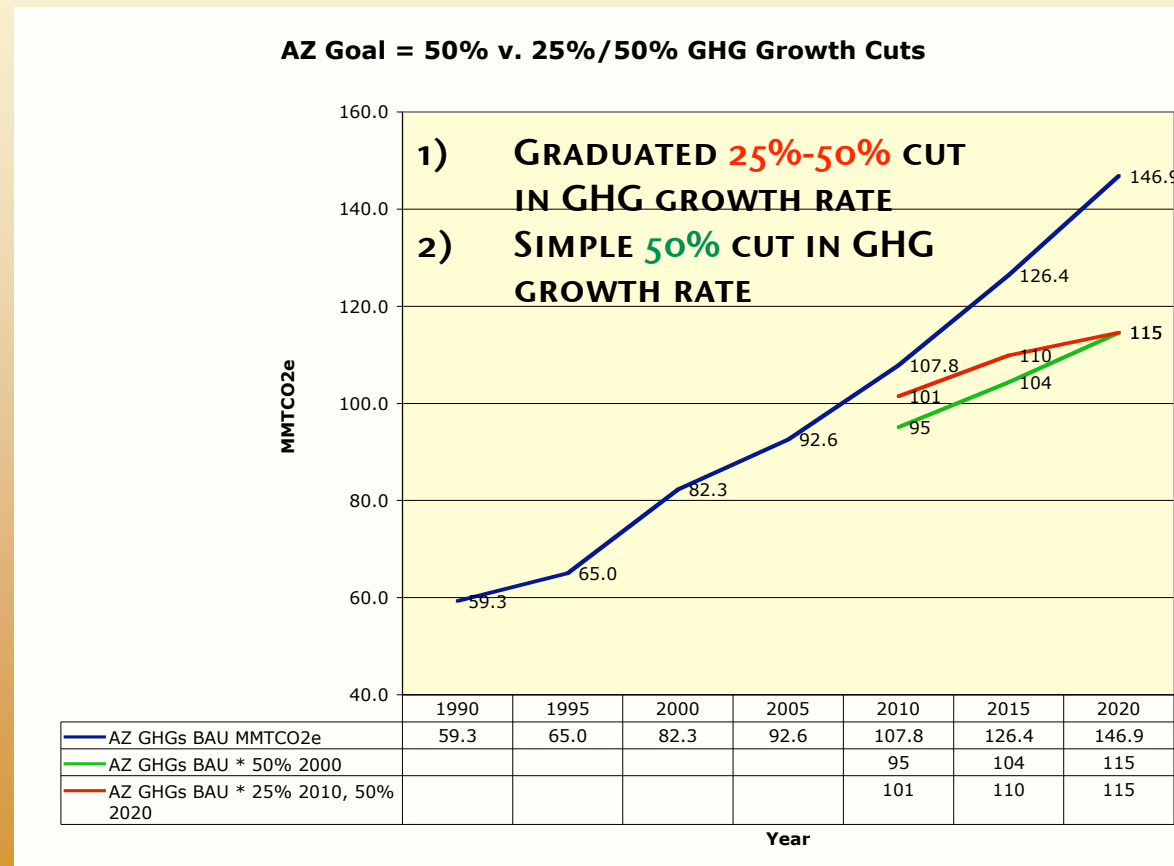


#6: 25%-50% GHG GROWTH (COMPARED TO 2000 LEVELS; SHOWN IN TONS)



#7: 25%/50% v. 50% GOALS

2000 BASELINE START



ANALYSIS

- **DATA SOURCES**

- **AZ AND OTHER STATE GHG INVENTORIES AND FORECASTS (CONSUMPTION BASED)**
- **STATE PLANNING ESTIMATES OF POTENTIAL GHG REDUCTIONS FOR NORTHEAST AND WEST COAST**
- **SOME STATE PLANNING DATA IS NOT READILY AVAILABLE (DUE TO CLOSED PROCESSES)**

- **METHODS**

- **SCENARIOS APPLIED TO ACTUAL AZ INVENTORY AND FORECAST ESTIMATES APPROVED BY CCAG**

ANALYSIS...

- **KEY ASSUMPTIONS**
 - AVERAGE ANNUAL GHG REDUCTION ESTIMATES IN 2010 AND 2020 FOR NORTHEAST AND WEST COAST STATES
 - OTHER ASSUMPTIONS NOTED IN SCENARIOS
- **KEY UNCERTAINTIES**
 - RESULTS OF CCAG PLANNING NOT YET AVAILABLE
 - REGIONAL DIFFERENCES BETWEEN SW, WC AND NE MAY AFFECT SUCCESS RATES OF MITIGATION PLANNING
 - RELIABILITY OF LONG TERM FORECASTING
 - RESULTS OF ACTUAL IMPLEMENTATION
 - MARGIN OF SAFETY AND OR ERROR NOT INCLUDED

NEXT STEPS

- **IDENTIFY PREFERRED SCENARIOS AND SUGGESTED NEW MODIFICATIONS**
- **PRESENT TO CCAG FOR REVIEW AND ADVICE**

PART 2

- **REPORTING, REGISTRIES, EDUCATION**
 - **REPORTING AND REGISTRIES ARE LINKED**
 - **EMISSIONS V. EMISSIONS REDUCTIONS**
 - **INCENTIVE SYSTEMS**
 - **EDUCATION SUPPORTS INDIVIDUAL AND COLLECTIVE POLICY EFFORTS**

REPORTING & REGISTRIES

- **MULTIPLE APPROACHES HAVE EMERGED**
 - MANY PURPOSES AND GOALS
 - MANY QUANTIFICATION PROTOCOLS
 - MANY REGISTRY APPROACHES
 - MANY MARKET ENTRANTS
- **SOME CLARITY & STANDARDS EVOLVING**
 - WORLD RESOURCES INSTITUTE/WORLD BUSINESS COUNCIL FOR SUSTAINABLE DEVELOPMENT GHG PROTOCOLS
 - INTERNATIONAL STANDARDS ORGANIZATION 14064 GHG QUANTIFICATION STANDARDS
 - REGIONAL REGISTRY EFFORTS
 - BROADER REGISTRY DISCUSSIONS

GHG REPORTING

- **PURPOSE AND GOALS**
 - **MEASURE GHG EMISSIONS**
 - **BUILD AWARENESS AND CAPACITY**
 - **DIAGNOSE AND TRACK GHG EMISSIONS**
 - **CONSIDER AND PLAN FOR SOLUTIONS**
 - **BETTER MANAGE EMISSIONS**
 - **IDENTIFY WAYS TO INCREASE RELATED BENEFITS OF EMISSIONS REDUCTIONS**
 - **ENABLES OTHER GOALS**

GHG REPORTING

- **KEY TECHNICAL AND POLICY ISSUES**
 - **POLICY ENDPOINTS**
 - **VOLUNTARY OR MANDATORY**
 - **WHICH GASES**
 - **APPLICABILITY (SECTORS, SOURCES, LEVELS)**
 - **BOUNDARY ISSUES**
 - **QUANTIFICATION, MEASUREMENT, & VERIFICATION**
 - **OPERATIONAL ISSUES (LEAD AGENCY, START DATE, REPORTING PERIOD, TRANSPARENCY, COST, ETC.)**

GHG REGISTRY

- **PURPOSE AND GOALS**
 - **RECORDING OF GHG REDUCTION ACTIVITIES**
 - **PROVIDE MANAGEMENT INFORMATION SYSTEM**
 - **DATA MANAGEMENT & ACCOUNTING**
 - **CENTRAL, INDEPENDENT REPOSITORY**
 - **SUPPORT POLICY IMPLEMENTATION**
 - **INCENTIVE TO TRACK & MANAGE EMISSIONS**
 - **PUBLIC AND/OR LEGAL RECOGNITION**
 - **CREDIT AND/OR BASELINE PROTECTION**
 - **POSSIBLE REGIONAL & CROSS-BORDER COOPERATION**

GHG REGISTRY

- **KEY TECHNICAL AND POLICY ISSUES**
 - **POLICY OBJECTIVES**
 - **BASELINE/BASE YEAR**
 - **INCREMENTAL REDUCTIONS**
 - **REDUCTIONS FROM OTHER SECTORS**
 - **BOUNDARY ISSUES**
 - **OWNERSHIP & DOUBLE-COUNTING**
 - **MONITORING & DATA QUALITY**
 - **VERIFICATION/CERTIFICATION**
 - **PROJECTS VS. PROGRAMS**
 - **STATE-TO-STATE CONSISTENCY**
 - **OPERATIONAL & ADMINISTRATIVE ISSUES**

PUBLIC EDUCATION

- **PURPOSE AND GOALS**

- **PUBLIC AWARENESS OF NEED FOR ACTION**
- **AWARENESS OF SPECIFIC PROGRAMS & EFFORTS**
- **AWARENESS THAT INDIVIDUAL ACTIONS COUNT;
(AND MAY BE REWARDED, E.G., REBATES)**

- **KEY TECHNICAL AND POLICY ISSUES**

- **AUDIENCE(S), MESSAGES, PROGRAM LINKAGE**
- **APPROACHES, RESPONSIBILITY**
- **SCOPE AND BREADTH**
- **COSTS AND RESULTS**

NEXT STEPS

- IDENTIFY EXISTING AZ ACTIONS
- IDENTIFY POTENTIAL APPROACHES
- DEVELOP STRAW PROPOSALS
- COORDINATE WITH SECTOR-BASED TWGs
- REFLECT CCAG PRIORITIES

CLOSING REMARKS

- **PUBLIC INPUT?**
- **ANNOUNCEMENTS?**

FOR NEXT CCAG MEETING

- **AGENDA ITEMS**
 - **DISCUSSION OF PRIORITIES**
 - **DISCUSS PLANS FOR STRAW PROPOSALS**
 - **DISCUSS COORDINATION WITH TWGs**